



**GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST**

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!, a menu-driven database system. The internet address for GSA Advantage! is: <http://www.fss.gsa.gov>.

ENVIRONMENTAL SERVICES

NAICS 562910/541620

Contract Number: GS-10F-0102R

Contract Period: December 1, 2009 – November 30, 2014 via modification PS-0018

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Cramer Fish Sciences is a Small Business Enterprise.
DUNS: 013486167

CUSTOMER INFORMATION

Awarded Special Item Numbers:

SIN 899-1 Environmental Planning Services and Documentation

SIN 899-7 Geographic Information Services (GIS)

SIN 899-1 RC Environmental Planning Services and Documentation

SIN 899-7 RC Geographic Information Services (GIS)

Maximum Order: The maximum dollar value per order for all SINs will be \$1,000,000

Minimum Order: The minimum dollar value of orders to be issued is \$100.

Geographic Coverage Area: Alaska, California, Idaho, Montana, Oregon, and Washington



WHO WE ARE...	3
WHERE WE ARE...	3
WHAT WE DO...	4
FISH SCIENCES: <i>BRIDGING THE UNDERSTANDING GAP</i>	4
WATERSHED PROCESSES: <i>CAUSE AND EFFECT</i>	5
BIOSTATISTICS AND MODELING: <i>PREDICTIONS AND TRENDS</i>	6
<i>Fish Habitat and System Modeling</i>	6
ESTUARINE AND MARINE: <i>SPECIES AND HABITAT</i>	7
<i>Invasive Species</i>	7
REGULATORY COMPLIANCE: <i>NAVIGATING THE RED TAPE</i>	8
WHO WILL PROVIDE SERVICES...	9
GSA PRICE SCHEDULE	9
SCA MATRIX	10
CATEGORY DESCRIPTIONS	11
<i>Biologists</i>	11
<i>Technicians</i>	13
<i>Support Staff</i>	14



Who we are...

Cramer Fish Sciences (a.k.a. S.P. Cramer & Associates) is a multidisciplinary group of professionals that serve as leading advisors, investigators, and problem solvers for fish, environmental, and water resources issues.

Cramer Fish Sciences (CFS) has a staff of 25 fisheries biologists and ecologists across the West Coast that apply advanced research methods and quantitative analyses to discover solutions for sustaining fish populations in concert with other watershed uses by humans. Since 1987, they have served government agencies, tribes, utilities, and varied organizations to resolve their toughest aquatic-resource issues, with a principle focus on salmonids and sturgeon. CFS has extensive experience resolving issues with fish habitat disturbances and improvements, fish passage, water use and hydro facility effects, harvest management, and fish hatcheries. CFS is known for synthesizing and translating complex scientific analyses into practical and understandable solutions for scientists, managers, and lay audiences. The fundamental ambition of the company is to delight clients by understanding their needs, clarifying the scientific path to a solution, and helping them implement the solution. CFS has a 20 year history of achieving firsts in introducing new field study methods, synthesizing fisheries information across regions and full life cycles, developing new analytical methods, and creating ESA Recovery Plans. Their scientific credibility across a wide spectrum of natural resource regulators, developers, and conservationists, combined with our advanced capabilities for research and quantitative analysis have enabled CFS to move clients past imposing hurdles with environmental issues.

Where we are...

Oregon Office	California Offices			Idaho Office	Washington Office
Corporate Office 600 NW Fariss Road Gresham, OR 97030 503.491.9577 V 503.465.1940 F www.fishsciences.net	Cramer Fish 447 Parallel Avenue Unit #15A Ripon, CA 95366 209.847.7786 V www.fishsciences.net	Cramer Fish Sciences 3300 Industrial Blvd. Suite 100 W. Sacramento, CA 95691 916.231.1681 V 816.231.1688 F www.fishsciences.net	Cramer Fish Sciences 13300 New Airport Way Auburn, CA 95602 530.888.1443 V 530.888.7774 F www.fishsciences.net	Cramer Fish Sciences 317 W. 6th Street #204 Moscow, ID 83843 208.883.9730 V 208.883.9730 F www.fishsciences.net	Cramer Fish Sciences 4405 7th Avenue SE, Suite 306 Lacey, WA 98503 360.456.4621 V 360.456.4621 VF www.fishsciences.net



What We Do...

FISH SCIENCES: BRIDGING THE UNDERSTANDING GAP

Regulators, stakeholders, and conservationists can often have contentious perspectives on fish population and aquatic habitat challenges. Cramer Fish Sciences combines the extensive experience of its staff with a core discipline in fisheries sciences to help bridge that understanding gap.

Most of our senior scientists have served one to three decades as fish biologists with state, federal, and tribal fisheries agencies. We have studied virtually all major salmonid and sturgeon populations in the Pacific Northwest and have gained exceptional insight and influence in the fisheries profession.

Cramer Fish Sciences brings a lot to the table when helping our clients solve fisheries challenges. Our areas of expertise include:

MONITORING AND RESEARCH

- Long-term Field Sampling
- Innovative Technologies
- Statistical Sampling Design
- Method Optimization

IMPACT ASSESSMENTS

- Hydropower
- Water Diversion
- Forest Practices
- Urbanization/Land Use

HARVEST MANAGEMENT

- Harvest Rates
- Regulation Strategies
- Mixed Stock Analysis
- Selectivity and Latent Mortality

HATCHERY EFFECTIVENESS

- Hatchery/Wild Interactions
- Contribution Analysis
- Effectiveness Strategies
- Master Planning

GENETICS

- Genotype Analysis
- Risk Assessments
- Inheritance Dynamics

FISH PASSAGE

- Feasibility of Restoration
- Survival
- Delay
- Optimization

FISH POPULATION DYNAMICS

- Age
- Growth
- Survival
- Abundance
- Competition
- Predation
- Migration

SAMPLING METHODS

- Electrofishing
- Migrant Taps
- Collapsible Weirs
- Radio and Acoustic Tracking
- Tagging (PIT, CWT, Telemetry, etc.)
- Underwater Video and Infrared Monitoring
- Snorkeling/Diving



WATERSHED PROCESSES: *Cause and Effect*

There are dramatic cause and effect relationships between human actions in watersheds and changes to fish habitat—and ultimately—fish populations. Cramer Fish Sciences has pioneered the development of analytical tools to predict these effects.

Several of our scientists have dual training in watersheds and fish biology. They study and analyze the relationships between watershed processes, fish habitat, and fish populations. This expertise gives our clients the unique ability to estimate the results of changes to the watersheds they manage.

PRODUCTION POTENTIAL & CARRYING CAPACITY ESTIMATION

- Unit Characteristic Method (UCM) for Streams
- Lake Rearing Capacity
- Limiting Factors Assessment
- Water Quality & Nutrient Effects
- Fish Presence/Absence Prediction

RESTORATION METHODS

- Woody Debris Recruitment
- Riparian Vegetation
- Gravel & Boulder Additions
- Floodplain Restoration
- Side Channel Development
- Constructed Channels
- Culvert Replacement

FISH HABITAT SURVEYS

- Existing Databases
- Standard State & Federal Protocols
- Fish Distribution
- Limiting Factors Identification

TEMPERATURE EFFECTS

- Monitoring
- Prediction via Modeling
- Suitability by Fish Species
- Influence on Fish Growth & Survival

RESTORATION PLANNING

- Needs Assessment
- Prioritization
- Strategy

RIPARIAN VEGETATION

- Shading Potential
- Woody Debris Supply
- Bank Stabilization

FLOW EFFECTS

- Hydrology Characterization
- Minimum Flow Assessments
- Flood/Scour Effects
- Pulse Flow & Fish Migration
- Incremental Change

WATERSHED CHARACTERIZATIONS

- GIS
- LIDAR
- Aerial Photography
- Geology
- Climate
- Hydrology

CHANNEL STRUCTURE AND DYNAMICS

- Sediment Supply/Composition
- Channel Modifications
- Change Potential

INVASIVE SPECIES

- Invasives Management Plan
- Species Impact Assessment/li>
- Population Monitoring
- Eradication Planning



BIOSTATISTICS AND MODELING: *Predictions and Trends*

Cramer Fish Sciences has diverse experience in developing and applying advanced quantitative methods to fisheries and aquatic resource problems. Our staff includes biostatisticians and biologists that are expert in applying cutting edge statistical and computational techniques, translating and presenting results to a wide range of audiences, and developing solutions to real-world problems. We are recognized experts in the analysis of fish and fishery tagging information including mark-recapture, Coded Wire Tags (CWT), Passive Integrated Transponder (PIT), and telemetry data.

- Harvest Rates
- Regulation Strategies
- Mixed Stock Analysis
- Selectivity and Latent Mortality
- Time Series and Trends
- Multivariate Regression-Correlation
- Nonparametric Methods
- Cohort Reconstruction
- Mark-Recapture Survival and Abundance Estimates
- Maximum Likelihood Methods
- Bayesian Statistics
- Assumptions Testing
- Missing or Incomplete Data
- Risk Assessment
- Decision Analysis
- Experimental Design

Fish Habitat and System Modeling

Conceptual and quantitative models are valuable tools for organizing what we know about complex systems, identifying where critical information is lacking, and applying this understanding to identify, evaluate, or predict the results of alternative actions. All models by necessity must be simple abstractions of often intricate systems but, so long as we understand their limitations, models can provide unparalleled opportunities for education and new insights. We have extensive experience in the application, development, and evaluation of models, particularly of fish populations and relationships between fish and their habitats.

- Salmon Population Dynamics and Predictions
- Population Viability and Extinction Risk
- Juvenile Salmon Habitat Capacity
- Effects of Forest and Land-Use Practices on Streams and Salmon
- Fisheries and Hatcheries
- Salmon Stock-Recruitment
- Predator-Prey Relationships
- Multi-Species Analysis
- Growth and Bioenergetics
- Sturgeon Populations
- Wildlife Populations
- Physical Processes
- Deterministic and Stochastic Applications
- Multi-Disciplinary Approaches



ESTUARINE AND MARINE: *Species and Habitat*

Cramer Fish Sciences conducts research and develops methods that support the conservation and restoration of estuary and marine ecosystems and fish populations. We provide science-based solutions to help resource managers and stakeholders make more informed and effective management decisions. Fish Sciences utilizes multiple research, monitoring, and assessment techniques, and provides technical assistance for current issues including factors such as temperature, pollution, invasive species, and land and water resource use. We collaborate with conservation groups and individuals with specific expertise to provide the most effective solutions to current estuarine and marine science issues.

OUR AREAS OF EXPERTISE:

- Effects of ocean harvest regulation
- Estuary and ocean ecology
- Salmonid estuary and ocean survival
- Salmonid estuary and ocean migration
- Ocean current/upwelling
- Pelagic species ecology and decline
- Food chain ecology
- Sediment transport modeling
- Seagrass community ecology

Invasive Species

Increasing numbers of alien invasive species threaten the unique biota of estuary and marine environments and the productivity of these watersheds. Cramer Fish Sciences strives to provide effective technology, methods, and information for responding to these new threats. We help develop, monitor and support effective science-based management of harmful non-native species throughout the West coast.

OUR AREAS OF EXPERTISE:

- Estuary and marine habitat assessment
- Invasive management plans
- Eradication plans for alien species
- Species impact assessments
- Plans for reintroduction of native species
- Ballast water management



REGULATORY COMPLIANCE: *Navigating the Red Tape*

We design and implement compliance approaches tailored to our client's specific project objectives and priorities. Our experienced staff is able to effectively lead clients through all phases of regulatory processes associated with various Acts and Executive Orders including, but not limited to, federal and state Endangered Species Acts, National Environmental Policy Act and state equivalents, Clean Water Act, Floodplain Management, and Wetland Protection.

Our regulatory services include permit assistance, environmental assessments, permit applications, and supporting technical documentation for:

- NEPA, State Environmental Policy Act, and California Environmental Quality Act
- Federal Fish and Wildlife Coordination Act
- Federal Endangered Species Act- Sections 7 and 10
- Magnuson-Stevens Fishery Conservation and Management Act
- Habitat Conservation Plans
- Clean Water Act Section 401
- Clean Water Act Section 404
- U.S. Rivers and Harbors Act- Section 10
- Wetlands Delineation
- Oregon Department of Environmental Quality
- Oregon Division of State Lands
- Water Resource Departments
- State Water Resources Control Board
- California Endangered Species Act- Fish and Game Code Section 2081
- California Department of Fish and Game (CDFG) Streambed Alteration Agreements
- Local agency permits



Who Will Provide Services...

GSA PRICE SCHEDULE

GS10F-0102R Price List as of MOD PS-0018

SINs 899-1, 899-1 RC, 899-7 and 899-7 RC

2013 GSA Rates

Position	Rate
Principal	\$ 162.46
Sr. Scientist IV	\$ 169.61
Sr. Scientist III	\$ 160.43
Sr. Scientist II	\$ 131.81
Sr. Scientist I	\$ 119.55
Biologist IV	\$ 113.43
Biologist III	\$ 102.17
Analyst II	\$ 102.17
Hydrologist III	\$ 102.17
Consulting Scientist	\$ 99.03
Budget Analyst	\$ 90.94
Biologist II	\$ 90.94
GIS Analyst	\$ 90.94
Biologist I	\$ 66.42
Bio-Technician II	\$ 55.18
Administrative Ass't	\$ 50.07
Field Technician II	\$ 47.01
Technical Researcher	\$ 47.29
Bio-Technician I	\$ 43.94
Office Ass't	\$ 36.79
Laboratory Laborer	\$ 32.70
Field-Technician I	\$ 28.30



SCA MATRIX

SCA Eligible Contract Labor Category	SCA Equivalent Code - Title	WD Number
Field Technician I	99831-Surveying Aide	05-2067
Field Technician II	30090-Environmental Technician	05-2067
Bio-Technician II	30090-Environmental Technician	05-2067
Bio-Technician I	99831-Surveying Aide	05-2067
Office Assistant	01112-General Clerk 2	05-2441
Technical Researcher	13058-Library Technician	05-2441
Laboratory Laborer	23470-Laborer	05-2441
Administrative Assistant	01113-General Clerk 3	05-2441

The SCA is applicable to this contract and it includes SCA applicable labor categories. The prices for the indicated SCA labor categories are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCA matrix. The prices offered are based on the preponderance of where work is performed and should the contractor perform in an area with lower SCA rates, resulting in lower wages being paid, the task order prices will be discounted accordingly.



CATEGORY DESCRIPTIONS

Biologists

Labor Category	Labor Category Description	Education/ Experience
Principal	Develop program scope. Develop scope, objectives, tasks, and budget for large projects. Manage project budget. Negotiate with clients on project scope and budget. Act as supervisory lead on large projects. Direct vision and future growth of company. Responsible for final approval on all financial, personnel and management decisions.	Master's degree in Fisheries or Wildlife Science or closely-related degree in biological sciences and 15 years experience in fisheries related activities.
Senior Scientist IV	Develop program scope. Develop scope, objectives, tasks, and budget for large restoration or related projects. Provide technical advice and counsel. Manage project budgets. Negotiates with clients on project scope and budgets. Acts as a supervisory lead on large projects.	Master's degree in Fisheries or Wildlife Science or closely-related degree in biological sciences and 15 years experience Or Ph.D. in Fisheries or Wildlife Science or closely-related degree in biological sciences and 13. A recognized leader in his/her field of expertise.
Senior Scientist III	Develop program scope. Develop scope, objectives, tasks, and budget for large projects. Manage project budget. Negotiate with clients on project scope and budget. Act as supervisory lead on large projects. Maintain client relationships. Develop new project opportunities with existing or new clients. Manages business unit.	Master's degree and 13 years experience in Fisheries or Wildlife Science or closely-related degree in biological sciences OR Ph.D. in Fisheries or Wildlife Science or closely-related degree in biological sciences and 11 years
Senior Scientist II	Develop program scope. Develop scope, objectives, tasks, and budget for large projects. Manage project budget. Negotiate with clients on project scope and budget. Act as supervisory lead on large projects. Maintain Client relationships. Develop new project opportunities with existing or new clients. Other duties may be assigned.	Master's degree in Fisheries or Wildlife Science or closely-related degree in biological sciences and 10 years experience OR Ph.D. and 5 years experience in Fisheries or Wildlife Science or closely-related degree in biological sciences.
Senior Scientist I	Develop program scope. Develop scope, objectives, tasks, and budget for large projects. Manage project budget. Negotiate with clients on project scope and budget. Act as supervisory lead on large projects. Other duties may be assigned.	Master's Degree in Fisheries or closely related degree in biological sciences and 8 years experience OR Ph.D. and 5 years experience in Fisheries or closely related degree in biological sciences.



Consulting Scientist	Able to provide specialized technical analysis and review as needed on specific projects on temporary or part-time basis. Other duties may be assigned.	Master's in Fisheries or Wildlife Science or closely-related degree in biological sciences and 10 years experience in fisheries related activities OR Ph.D. in Fisheries or Wildlife Science or closely-related degree in biological sciences and 5 years experience in fisheries related activities. May be required to hold a Scientific Collecting Permit.
Biologist IV	Must be able to lead and be responsible for projects including supervision of subordinates and budget management. Develop scope, objectives, tasks, and budget for small projects. Must be able to communicate effectively with clients.	Minimum of B. S. degree and 8 years experience OR Master's degree and 5 years of experience OR Ph.D. with 3 years of experience in Fisheries or Wildlife Science or closely-related degree in biological sciences conducting fisheries related studies. May be required to hold a Scientific Collecting Permit.
Hydrologist III	Must be able to lead and be responsible for projects including supervision of subordinates and budget management. Develop scope, objectives, tasks, and budget for small projects. Must be able to communicate effectively with clients.	B. S. degree in Hydrology or closely-related degree in biological sciences conducting fisheries related studies and 4 years experience OR Master's degree experience in Hydrology or closely-related degree in biological sciences conducting fisheries related studies and 2 years.
Biologist III	Must be able to lead and be responsible for projects including supervision of subordinates and budget management. Develop scope, objectives, tasks, and budget for small projects. Must be able to communicate effectively with clients.	Minimum of B. S. degree and 6 years of experience OR a Master's degree and 3 years of experience OR Ph.D. with 1 year of experience in Fisheries or Wildlife Science or closely-related degree in biological sciences conducting fisheries related studies. May be required to hold a Scientific Collecting Permit.
Biologist II	Must be able to oversee project tasks and analysis of data related to project objectives. Must be able to develop objectives, tasks, and budgets for small, short-term projects. .	Master's degree in Fisheries or Wildlife Science (or closely-related degree in biological sciences) and 1 year of experience OR Bachelor's degree in Fisheries or Wildlife Science (or closely-related degree in biological sciences) and 4 years of experience performing fisheries or wildlife studies. May be required to hold a Scientific Collecting Permit.
Biologist I	Must be able to complete analysis of data related to project tasks as assigned.	Bachelor's degree in Fisheries or Natural Resources (or closely-related degree in biological sciences) with 2 years of experience OR Master's Degree in Fisheries or Natural Resources. May be required to hold a Scientific Collecting Permit.



Technicians

Labor Category	Labor Category Description	Education/ Experience
Bio - Technician II	Must be capable of completing all the duties and responsibilities of a Bio-Technician I. Must be capable of being certified to operate designated river going crafts as necessary.	Bachelor's degree in Fisheries or Wildlife Science (or closely-related degree in biological sciences) OR High School and 3 years of experience performing fisheries or wildlife studies. May be required to hold a Scientific Collecting Permit.
Field Technician II	Must be capable of completing all the duties and responsibilities of a Field Technician I. Must be capable of being certified to operate designated river going crafts as necessary. Works on a part time or temporary as needed basis.	Bachelor's degree in Fisheries or Wildlife Science (or closely-related degree in biological sciences) OR High School and 3 years of experience performing fisheries or wildlife studies. May be required to hold a Scientific Collecting Permit.
Bio - Technician I	Field-based fish population assessment duties may include fish trapping, fish tagging, visual estimation techniques (i.e. snorkeling), and taking measurements of individual specimens. Habitat assessment duties may include surveys of stream habitat condition, measurements of streamside vegetation conditions, and water quality monitoring. Field preparation tasks will include organizing and upkeep of equipment and supplies. Office-based duties may include data entry, data organization, and basic analysis of fisheries and fish habitat related data.	High School Diploma and 2 years of experience performing fisheries or wildlife studies. May be required to hold a Scientific Collecting Permit
Field Technician I	Field-based fish population assessment duties may include fish trapping, fish tagging, visual estimation techniques (i.e. snorkeling), and taking measurements of individual specimens. Habitat assessment duties may include surveys of stream habitat condition, measurements of streamside vegetation conditions, and water quality monitoring. Field preparation tasks will include organizing and upkeep of equipment and supplies. Office-based duties may include data entry, data organization, and basic analysis of fisheries and fish habitat related data. Works on a part time or temporary as needed basis.	High School Diploma and 2 years of experience performing fisheries or wildlife studies. May be required to hold a Scientific Collecting Permit
Laboratory Laborer	Lab-based invertebrate sample processing may include some field work to obtain samples, majority of work will be sample processing. Processing includes use and disposal of fixing chemicals, sieving of samples to reduce fine sediments and other debris, counting and identifying invertebrates from sample, storing voucher specimens, and entering data in an Excel spreadsheet. Lab preparation tasks will include organizing and upkeep of equipment and supplies. Works on a part time or temporary as needed basis.	High School diploma with at least 30 hours of college credit related to invertebrate identification and basic computer skills and no experience. May be required to hold a Scientific Collecting Permit.



Support Staff

Labor Category	Labor Category Description	Education/ Experience
Analyst II	Research, analyze, and translate complex scientific information into easily understood concepts for conveyance in verbal, written, diagrammatic, and presentation formats to existing and potential clients, partners, project stakeholders, and the general public as well as to scientists and staff. Assist in and direct the drafting and editing of articles and papers for publication, project reports, project proposals, court declarations and related documents, newsletters, web content, promotional materials, and various other documents. Assist in and direct project management, collaboration, and exchange of information between and among scientists and staff, partners, clients, and others. Other duties as assigned.	Master's degree plus 4 years experience in a technical field or in technical writing, OR Bachelor's degree and a minimum of 6 years in a technical field or in technical writing.
Budget Analyst	Provide support to project leads for tracking of project budgets. Maintain Project Budget summaries. Provide budget analysis support to Consultants. Prepare spreadsheets as required. Prepare invoices and client progress letters for project leads.	Minimum Bachelors degree in accounting or related field. Minimum 3 years experience in small business accounting.
GIS Analyst	Lead and perform spatial analyses of watershed features, physical processes, and species-habitat interactions in support of science teams working on freshwater fish issues. Most analyses will explore processes or factors that limit fish production in streams, and particularly that link use of land or water to fish habitat quality and quantity. Work will cover a broad range of watersheds and environmental issues on the West Coast. Work will include integration of several science disciplines including hydrology, fish biology, stream ecology, and ecosystem processes. Tasks will also include map production and creative graphical representation of analytical results. Encouraged to present findings at symposiums and in publications.	Minimum M.S 3 years of experience applying GIS methods to natural resource issues OR B.S. with 5 years of experience applying GIS methods to natural resource issues. GIS certification from an accredited program.
Technical Researcher	Locate and obtain reports, documents and data as required by project task assignments, and senior staff research needs. File and maintain project documents and reports. Develop and maintain a broad array of contacts for information and data. Organize and maintain electronic and hard copy library documents.	Bachelors degree and three years research and library experience OR Minimum 10 years research and library experience
Administrative Assistant	Must be able to complete all duties of an Office Assistant. Provide assistant to Administration Manager as directed. Assist in the completion and formatting of RFQ's and RFP's as requested.	2 year Associates Degree in secretarial sciences OR High School Diploma and 6 years experience in clerical/secretarial positions



Office Assistant	Takes and delivers telephone messages for the staff and answers routine inquiries. Schedules appointments or uses judgment in referring calls to the appropriate specialist. Records and files information on specific cases, current projects, and/or studies. Monitors stock levels of a variety of office supplies. Keeps time and attendance records and coordinates their submission to the payroll office. Makes travel arrangements for other staff, prepares travel itineraries and schedules, and in the processing of requests for reimbursements. Maintains office contact list, including annual review and updates.	2 year Associates Degree in secretarial sciences or High School Diploma and 4 years experience in clerical/secretarial positions
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